

Patent Abstracts of Japan

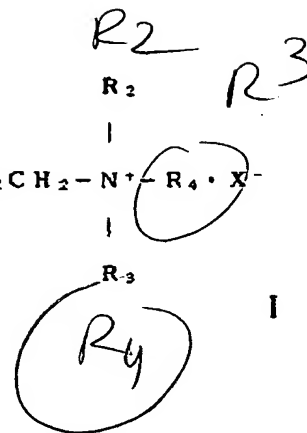
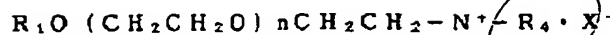
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APPLICANT : NEW JAPAN CHEM CO LTD;

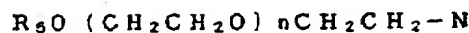
INVENTOR : OGAWA YASUAKI;

INT.CL. : A61K 7/06

TITLE : HAIR TREATING AGENT
 COMPOSITION



I



R_6
 R_7

II

ABSTRACT : PURPOSE: To obtain a hair treating agent composition excellent in moisture retention, capable of providing effective feeling of use on hair, e.g. providing moistening feeling to hair insufficient in water content and hardly irritating skin or eyes.

CONSTITUTION: This composition contains 1-15wt.%, preferably 2-7wt.% N-polyoxyethylenealkyl ether ethyl-N,N,N-trialkylammonium salt type or N-polyoxyethylenealkyl ether ethyl-N,N-dialkyl-Nbenzylammonium salt type cationic surfactant of formula I [R_1 is 8-36C alkyl, alkenyl, alkylaryl or aralkyl; R_2 and R_3 are 1-3C alkyl or hydroxyalkyl; R_4 is benzyl, 1-3C alkyl or hydroxyalkyl; (n) is 0-25; X is anion] as an essential component. The compound of formula I is obtained by reaction of N-polyoxyethylenealkyl ether ethyl-N,N- dialkylamine of formula II with an alkyl chloride or benzyl chloride.

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Linear
 C-24

C₂

R₂-R₄
 C₁